



EXPRESS MAIL NO. EV335610955US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Linda Thorne and Richard W. Armentrout
Application No. : 10/717,976
Filed : November 20, 2003
For : PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS
GELS

Art Unit : 1753
Docket No. : 850136.411
Date : January 10, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Forms PTO-1449. Copies of the cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of all other cited references are enclosed. As to any reference cited on the attached Forms PTO-1449, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC



Qing Lin, Ph.D.

Registration No. 53,937

QXL:ljt

Enclosures:

- Postcard
- Transmittal Form
- Form PTO-1449 (2 Sheets)
- Cited References (9)

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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

850136.411

APPLICATION NO.

10/717,976**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANTS

Linda Thorne and Richard W. Armentrout

FILING DATE

November 20, 2003

GROUP ART UNIT

1753**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4,326,052	04/20/82	Kang et al.	536	1	
AB	4,326,053	04/20/82	Kang et al.	536	1	
AC	4,377,636	03/22/83	Kang et al.	435	101	
AD	4,385,123	05/24/83	Kang et al.	435	253	
AE	5,143,646	09/01/92	Nochumson et al.	252	315.3	
AF	5,185,466	02/09/93	Kozulic et al.	564	208	
AG	5,202,007	04/13/93	Kozulic	204	182.8	
AH	5,259,943	11/09/93	Kozulic et al.	204	299 R	
AI	5,278,270	01/11/94	Kozulic et al.	526	304	
AJ	5,319,046	06/07/94	Kozulic et al.	526	304	
AK	5,342,773	08/30/94	Thorne et al.	435	200	
AL	5,371,208	12/06/94	Kozulic	536	102	
AM	5,438,092	08/01/95	Kozulic et al.	524	555	
AN	5,541,255	07/30/96	Kozulic	525	54.3	
AO	5,767,196	06/16/98	Kozulic	525	54.3	
AP	5,840,877	11/24/98	Kozulic	536	25.4	
AQ	6,203,680 B1	03/20/01	Cole	204	469	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AR	0 012 552 B1	12/01/82	EPO		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	
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EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



EXPRESS MAIL NO. EV335610955US

01-12-05

IFW

**TRANSMITTAL
FORM**(To be used for all correspondence
after initial filing)

Application Number	10/717,976
Filing Date	November 20, 2003
First Named Inventor	Linda Thorne
Art Unit	1753
Examiner Name	
Attorney Docket No.	850136.411

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to TC (<i>Appeal Notice, Brief, Reply Brief</i>)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Declaration	<input type="checkbox"/> Other Enclosure(s) (<i>please identify below</i>):
<input checked="" type="checkbox"/> Information Disclosure Statement; Form PTO-1449 (2 Sheets)	<input type="checkbox"/> Statement under 37 CFR 3.73(b)	_____
<input checked="" type="checkbox"/> 9 Cited References	<input type="checkbox"/> Terminal Disclaimer	_____
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	_____
<input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53	<input type="checkbox"/> CD, Number of CD(s) _____	_____
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	_____

Remarks**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Seed Intellectual Property Law Group PLLC	Customer Number	00500
Signature	Qing Lin, Ph.D.		
Printed Name	<i>Qing Lin</i>		
Date	January 10, 2005	Reg. No.	53,937

CERTIFICATE OF TRANSMISSION/MAILING**VIA EXPRESS MAIL**

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 850136.411		APPLICATION NO. 10/717,976	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Linda Thorne and Richard W. Armentrout			
				FILING DATE November 20, 2003		GROUP ART UNIT 1753	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	BB						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BC	Cole, K. et al., "Modification of the Electrokinetic Properties of Reversible Electrophoresis Gels for the Separation and Preparation of DNA," <i>Applied Biochemistry and Biotechnology</i> 82(1): 57-76, October 1999.					
	BD	Doner, L. W. and Douds, D. D., "Purification of Commercial Gellan to Monovalent Cation Salts Results in Acute Modification of Solution and Gel-forming Properties," <i>Carbohydrate Research</i> 273: 225-233, 1995.					
	BE	Jasson, P-E and Lindberg, B., "Structural Studies of Gellan Gum, and Extracellular Polysaccharide Elaborated by <i>Pseudomonas elodea</i> ," <i>Carbohydrate Research</i> 124: 135-139, 1983.					
	BF	"Gellan (PS-60) ," in <i>Carbohydrate Chemistry</i> , Kennedy, J.F. (ed.), Oxford University Press, Oxford, 1987, Section 14.4.4, pg. 630.					
	BG	O'Neil, M.A. et al., "Structure of the Acidic Extracellular Gelling Polysaccharide Produced by <i>Pseudomonas elodea</i> ," <i>Carbohydrate Research</i> 124(1): 123-133, December 10, 1983.					
	BH	Sanderson, G.R., "Gellan Gum," in <i>Food Gels</i> , P. Harris (ed.) Elsevier Applied Science, New York 1990, Chapter 6, pgs. 201-232.					
	BI	Sanderson, G.R. and Clark, R.C., "Gellan Gum, a New Gelling Polysaccharide," in <i>Progress in Food and Nutrition Science</i> , vol. 7, Phillips, G.O. et al. (eds.), Pergamon Press, Oxford, 1984, pgs 201-210.					
	BJ	The Polysaccharides, vol. 2, Aspinall, G.O. (ed.), Academic Press, New York, 1983, pg. 479.					
	BK						
	BL						
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant(s).							